



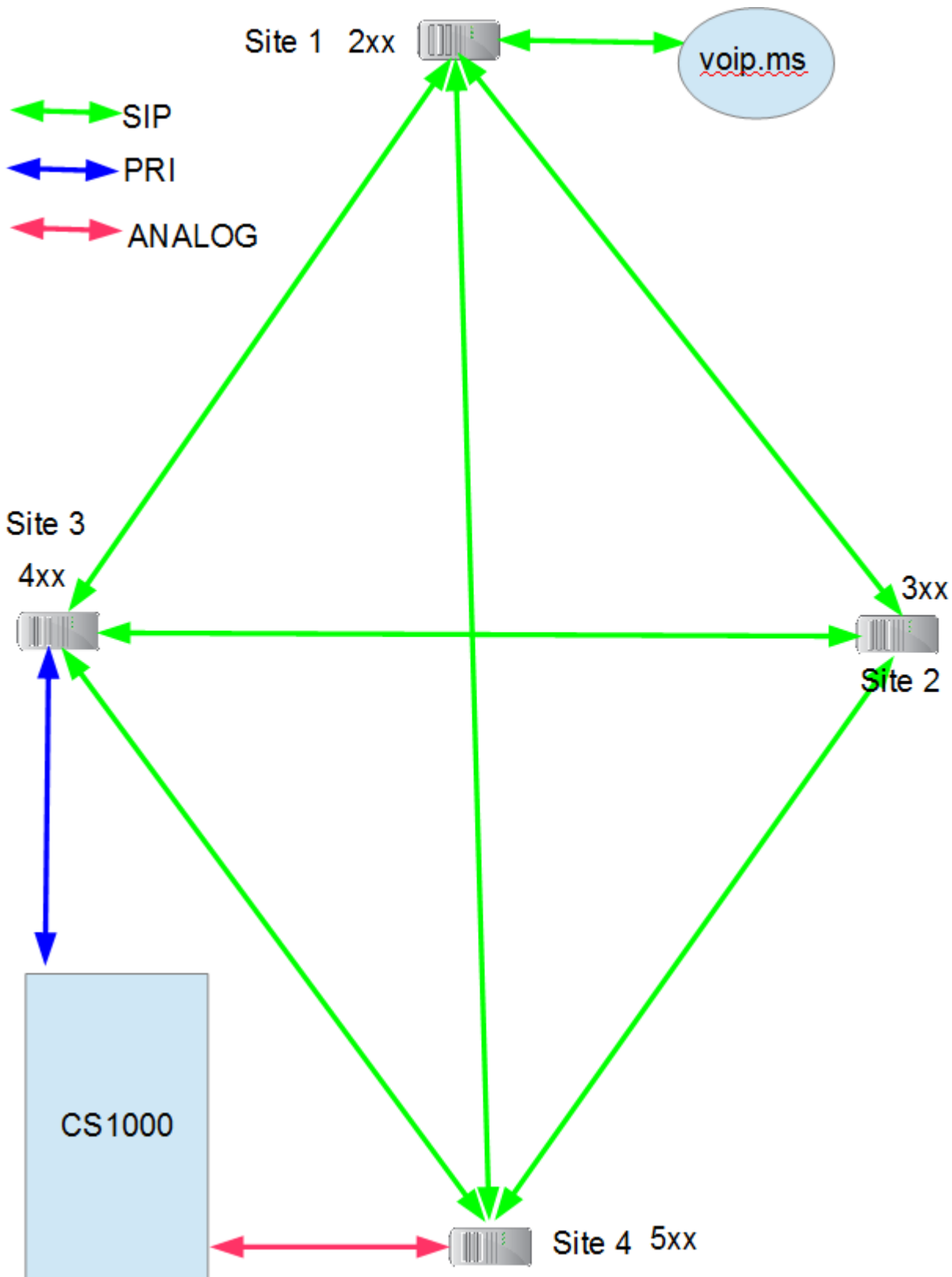
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Configure Multi-Sites with Coordinated Dialing Plan

Overview

This document shows how you would configure 4 different sites running UC^X with a Coordinated Dialing Plan (CDP). Diagram below provides an overview of the trunk routes between each of the sites.



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1. Configure Site 1: Los Angeles

1.1. System Information

- ucx50E
- 192.168.1.250
- 255.255.255.0

1.2. Extensions

- 2xx

1.3. SIP Trunks

1.3.1. Site2

PEER Details

```
host=192.168.1.251
type=friend
qualify=yes
insecure=very
dtmfmode=rfc2833
context=from-trunk
canreinvite=nonat
```

Outgoing Settings

Trunk Name [?]:

Site2

PEER Details [?]:

```
host=192.168.1.251
type=friend
qualify=yes
insecure=very
dtmfmode=rfc2833
context=from-trunk
canreinvite=nonat
```

1.3.2. Site3

PEER Details

host=192.168.1.252
type=friend
qualify=yes
insecure=very
dtmfmode=rfc2833
context=from-trunk
canreinvite=nonat

1.3.3. Site4

PEER Details


host=192.168.1.253
type=friend
qualify=yes
insecure=very
dtmfmode=rfc2833
context=from-trunk
canreinvite=nonat


1.4. Outbound Routes

1.4.1. Site2

- Dial pattern: 3XX
- Trunk: Site2

Dial Patterns that will use this Route [?]


() + | [3XX /] 

(prepend) + prefix | [match pattern / CallerID] 

Dial patterns wizards [?]: ▼

Export Dialplans as CSV [?]:

Trunk Sequence for Matched Routes [?]

0 ▼ 

1 ▼

1.4.2. Site3

- Dial pattern: 4XX
- Trunk: Site3

1.4.3. Site4

- Dial pattern: 5XX
- Trunk: Site4

2. Configure Site 2: Denver

2.1. System Information

- ucx50E
- 192.168.1.251
- 255.255.255.0

2.2. Extensions

- 3xx

2.3. SIP Trunks

2.3.1. Site1

PEER Details

```
host=192.168.1.250
type=friend
qualify=yes
insecure=very
dtmfmode=rfc2833
context=from-trunk
canreinvite=nonat
```

2.3.2. Site3

PEER Details

```
host=192.168.1.252
type=friend
qualify=yes
insecure=very
dtmfmode=rfc2833
context=from-trunk
canreinvite=nonat
```

2.3.3. Site4

PEER Details

```
host=192.168.1.253
type=friend
qualify=yes
insecure=very
```



```
dtmfmode=rfc2833
context=from-trunk
canreinvite=nonat
```

2.4. Outbound Routes

2.4.1. Site1

- Dial pattern: 2XX
- Trunk: Site1

2.4.2. Site3

- Dial pattern: 4XX
- Trunk: Site3

2.4.3. Site4

- Dial pattern: 5XX
- Trunk: Site4

3. Configure Site 3: Chicago

3.1. System Information

- ucx50E
- 192.168.1.252
- 255.255.255.0

3.2. Extensions

- 4xx

3.3. SIP Trunks

3.3.1. Site1

PEER Details

host=192.168.1.250
type=friend
qualify=yes
insecure=very
dtmfmode=rfc2833
context=from-trunk
canreinvite=nonat

3.3.2. Site2

PEER Details

host=192.168.1.251
type=friend
qualify=yes
insecure=very
dtmfmode=rfc2833
context=from-trunk
canreinvite=nonat

3.3.3. Site4

PEER Details

host=192.168.1.253
type=friend
qualify=yes
insecure=very
dtmfmode=rfc2833
context=from-trunk
canreinvite=nonat

3.4. Outbound Routes

3.4.1. Site1

- Dial pattern: 2XX
- Trunk: Site1

3.4.2. Site2

- Dial pattern: 3XX
- Trunk: Site2

3.4.3. Site4

- Dial pattern: 5XX
- Trunk: Site4

4. Configure Site 4: New York

4.1. System Information

- ucx50E
- 192.168.1.253
- 255.255.255.0

4.2. Extensions

- 5xx

4.3. SIP Trunks

4.3.1. Site1

PEER Details

host=192.168.1.250
type=friend
qualify=yes
insecure=very
dtmfmode=rfc2833
context=from-trunk
canreinvite=nonat

4.3.2. Site2**PEER Details**

host=192.168.1.251
type=friend
qualify=yes
insecure=very
dtmfmode=rfc2833
context=from-trunk
canreinvite=nonat

4.3.3. Site3**PEER Details**

host=192.168.1.252
type=friend
qualify=yes
insecure=very
dtmfmode=rfc2833
context=from-trunk
canreinvite=nonat

4.4. Outbound Routes

4.4.1. Site1

- Dial pattern: 2XX
- Trunk: Site1

4.4.2. Site2

- Dial pattern: 3XX
- Trunk: Site2

4.4.3. Site3

- Dial pattern: 4XX
- Trunk: Site3

5. Configure Site 1: PSTN

5.1. SIP Trunk

5.1.1. VOIPMS

Configuration Details

```
username=voipaccountname
secret=voipaccountpassword
type=friend
qualify=yes
insecure=port,invite
dtmfmode=rfc2833
host=dallas.voip.ms
context=from-trunk
disallow=all
allow=ulaw
fromuser=voipaccountname

canreinvite=nonat
sendrpid=yes
ustrpid=yes
```

nat=yes

voipaccountname:voipaccountpassword@dallas.voip.ms:5060

The screenshot shows the E-MetroTel PBX configuration interface for a Trunk Provider. The interface is divided into two main sections: Account Settings and Configuration Details. The Account Settings section includes fields for Account Name (VOIPMS), Trunk Provider (VoIP.ms), Username (voipaccountname), Secret (voipaccountpassword), and Outbound CallerID. The Configuration Details section includes fields for Type (friend), Technology (SIP), Qualify (yes), Canreinvite (nonat), Insecure (port,invite), Sendrpid (yes), Dtmfmode (rfc2833), Trustrpid (yes), Host (dallas.voip.ms), Context (from-trunk), Disallow (all), Allow (ulaw), Fromuser (voipaccountname), and Fromdomain. A 'Save' button is located at the top left, and a 'Cancel' button is at the top right. A 'Required field' indicator is visible in the top right corner. The footer of the interface states 'UC® is licensed under GPL by E-MetroTel. 2010 - 2014.'

5.2. Outbound Routes

5.2.1. 9_OUTSIDE

- Dial pattern = 9.
- Trunk = VOIPMS

5.2.2. To_CS1K_PRI

- Dial pattern = 82xx
- Trunk = Site3

5.2.3. To_CS1K_ANALOG

- Dial pattern = 72xx
- Trunk = Site4

5.3. Inbound Route

5.3.1. To_VOIPMS

- DID = _1xxxxxxxxxx
- Destination = Trunk = VOIPMS

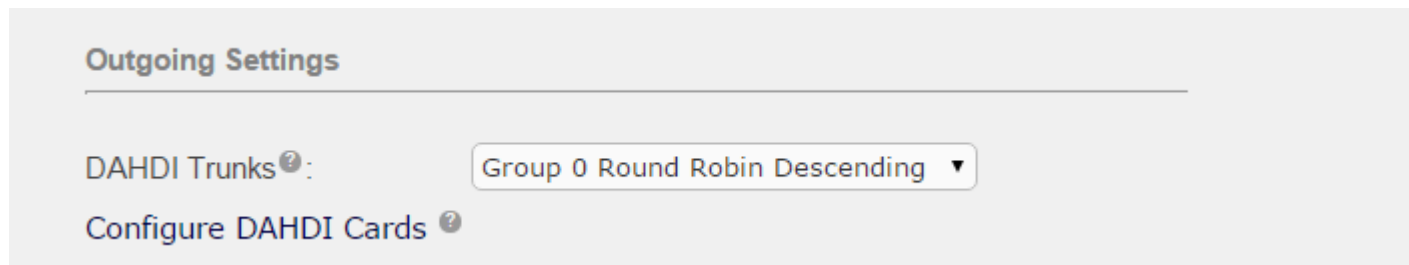
6. Configure Site 3: CS1000 (PRI)

6.1. DAHDI Trunk

6.1.1. PRI1

On a Release 4.5 system

- DAHDI Trunks = Group 0



Outgoing Settings

DAHDI Trunks[?]:

[Configure DAHDI Cards](#)[?]

On a Release 4.0 system

- DAHDI Identifier = G0

Outgoing Settings

DAHDI Identifier [?]:

6.2. Outbound routes

6.2.1. 9_OUTSIDE

- Dial pattern = 91NXXNXXXXXX
- Trunk = Site1

6.2.2. To_CS1K_PRI

- Dial pattern = 8.
- Trunk = PRI1

6.2.3. To_CS1K_ANALOG

- Dial pattern = 72xx
- Trunk = Site4

6.3. Inbound Route

6.3.1. To_CS1K_PRI

- DID = _2xx
- Destination = Trunk = PRI1

7. Configure Site 4: CS1000 (Analog)

7.1. DAHDI Trunk

7.1.1. FXO-8

- DAHDI Trunks = Group 0 (On a Release 4.5 system)
- DAHDI Identifier = G0 (On a Release 4.0 system)

7.2. Outbound Routes

7.2.1. 9_OUTSIDE

- Dial pattern = 91NXXNXXXXXX
- Trunk = Site1

7.2.2. To_CS1K_PRI

- Dial pattern = 82xx
- Trunk = Site3

7.2.3. To_CS1K_ANALOG

- Dial pattern = 7.
- Trunk = FXO-8

7.3. Inbound Route

7.3.1. To_CS1K_PRI

- DID = _2xx
- Destination = trunk = FXO-8